

SEFUSHKIN, A.N.; SVIRIDOVA, A.M.; KETILADZE, Ya.S.

Prospects for using serological methods for detecting the role of streptococcal and staphylococcal infections in the etiology of acute respiratory diseases and complications of influenza. Zhur. mikrobiol., epid. i immun. 41 no.4:88-93 Ap '64.

(MIRA 18:4)

1. Institut virusologii imeni Ivanovskogo AMN SSSR, Moskva.

SLEPUSHKINA, V.G.

Influenza vaccination of children of secondary and high school age.
Zhur.mikrobiol.edpi.i immun. no.10:31-37 0 '53. (MLRA 6:12)

1. Iz Instituta virusologii im. Ivanovskogo Akademii meditsinskikh
nauk SSSR (direktor - professor M.P.Chumakov).

(Influenza)

GORBUNOVA, A.S.; GNORIZOVA, V.M.; SLEPUSHKINA, V.G.; LOZHKINA, A.N.;
SHAKHALIYEVA, Z.M.; PELEVINA, M.V.

Nonspecific antihemagglutinins of influenza viruses (inhibitors) in
human and cadaveric plasmas. Vop.virus. 1 no.2:21-27 Mr-Apr '56.
(MLRA 10:1)

1. Institut virusologii imeni D.I.Ivanovskogo AMN SSSR, Byuro
sudebno-medicinskoy ekspertizy Mosgorzdravotdela i Gosudarstvennyy
kontrol'nyy institut syvorotok i vaktsin, Moskva.

(HEMAGGLUTINATION

antihemagglutinins of influenza viruses in human &
cadaveric plasmas (Rus))

(INFLUENZA VIRUSES, immunology.

same)

(CADAVERS.

same)

SLEPUCHKINA, V. G.
EXCERPTA MEDICA Sec 7 Vol. 12/6 Pediatrics June 58

1662. EPIDEMIOLOGY AND PROPHYLAXIS OF INFLUENZA AMONG SCHOOL-CHILDREN (Russian text) - Slepushkina V. G. - VOPR. VIRUSOL. 1957, 4 (224-228) Graphs 2 Tables 2

The incidence of influenza was considerably higher in children of younger school age (7-12) than in older children (12-17). One of the reasons of the higher incidence is the low level of immunity in younger children. Children of school age are the main source of the appearance and spread of influenza in households both in epidemic and interepidemic periods. The infection is spread among schoolchildren mainly by direct contact. Of grown-up members of the family mothers play a great part in the spread of influenza. Influenza vaccine was administered for the prophylaxis of influenza at school. The reactivity of the vaccine was found to be insignificant. In the group of younger children the incidence of influenza was 1.8-1.9 times lower, in the group of older children 1.6 times lower than in the unvaccinated groups. (XVII, 7)

SLEPUCHKINA, V. G., Cand Med Sci -- (diss) "^{On}~~Concerning~~ the prob- #
lem of ^{the}epidemiology and prophylaxis of ^{influenza}~~the gripe~~ among school
children." Mos, 1958. 15 pp (Acad Med Sci USSR), 200 copies.
(KL, 9-58, 123)

- 144 -

BAROYAN, O.V.; BOLOTOVSKIY, V.M.; SLEPUSHKINA, V.G.

Dissemination of the vaccinal strain of influenza virus among contacts
with vaccinated subjects. Vop. virus. 6 no.5:587-590 S-O '61.
(MIRA 15:1)

1. Institut virusologii imeni D.I. Ivanovskogo AMN SSSR, Moskva.
(INFLUENZA)

BAROYAN, O.V.; BOLOTOVSKIY, V.M.; GUKASYAN, G.B.; SLEPUSHKINA, V.G.;
MOVSESYAN, A.M.

Comparative study of the immunological activity of various
influenza vaccines depending on the antibody level prior
to vaccination. Zhur. mikrobiol., epid. i immun. 40 no.3:
116-117 Mr '63. (MIRA 17:2)

133-58-4-4/40

AUTHOR: Slepushova, L. I., Candidate of Technical Science
TITLE: Factors Influencing the Transfer of Carbon into Pig Iron
(Faktoy, vliyayushchiye na perekhod ugleroda v chugun)

PERIODICAL: Stal', 1958, Nr 4, pp 298-300 (USSR)

ABSTRACT: Possible causes of the variability of carbon concentration in pig iron are discussed. The supposition that the reducibility of the burden has a direct influence on the degree of carbon saturation was tested on a small blast furnace (142 m³ working volume). It was found that on replacing easily reducible ores by less reducible the concentration of carbon in pig iron decreased. High carbon concentration in pig iron (4.3 to 4.8%) produced in Magnitogorsk blast furnaces is explained by a high reducibility of their burden consisting of self-fluxing sinter. A similar increase in the concentration of carbon in pig iron was also observed on the Krivoy Rog Works on transfer of furnaces to self-fluxing sinter. It is pointed out that the control of carbon content in iron by suitable adjustment of burden reducibility can have only a limited application, therefore, when a low carbon content is required some decarburising treatment outside

Card 1/2

133-58-4-4/40
Factors Influencing the Transfer of Carbon into Pig Iron
the blast furnace is necessary.
There are 1 table, 1 figure and 12 references, 8 of which
are Soviet, 2 English, 1 German, 1 French.

ASSOCIATION: TsNIICHM

1. Iron--Production
2. Carbon--Control systems

Card 2/2

SLEPUSHOVA, L.I. (Moskva)

Effect of barium oxide on the viscosity and desulfurizing
capacity of blast furnace slags. Izv. AN SSSR. Otd. tekhn.
nauk. Met. i topl. no. 4:18-23 J1-Ag '61. (MIRA 14:8)
(Slag)
(Barium oxide)

Slepyan, A.M.

AID P - 2706

Subject : USSR/Mining

Card 1/1 Pub. 78 - 3/27

Authors : Slepyan, A. M. and Peskov, N. A.

Title : ~~"It is definitely necessary to improve the order of planning and of financing of drilling work"~~

Periodical : Neft. khoz. v. 33, #6, 7-9, Je 1955

Abstract : This article is one of the answers to the article of N. I. Avloshenko of that title published in this journal in #12, 1954, discussing cost estimates in oil-drilling projects.

Institution : None

Submitted : No date

Slepyan, A. M.

AID P - 3048

Subject : USSR/Mining
Card 1/1 Pub. 78 - 2/20
Author : Slepyan, A. M.
Title : To strenghten the management of drilling works
Periodical : Neft. khoz., v. 33, no. 8, 7-10, Ag 1955
Abstract : Taking as example the work of the Trest Tuymazaburneft',
the author analyses the organization and management of
drilling works and suggests some improvements.
Institution : None
Submitted : No date

SLEPYAN, A.M.; FOSTNOV, Ye.A.

Some problems of the organization of drilling operations on the
oil fields of Western Siberia. Neft. khoz. 43 no.6:9-12 Je '65.
(MIRA 18:7)

SLEPYAN, E. I.

Dendrophilous gall gnats (Diptera, Cecidomyiidae) of western
Kazakhstan. Trudy Zool. inst. 16:465-470 '54. (MIRA 8:6)
(Kazakhstan--Gall gnats) (Trees--Diseases and pests)

SLEPYAN, E.I.

Information on the sessions of the All-Union Botanical Society in
January 1957. Bot. zhur. 42 no.5:823-825 My '57. (MLRA 10:6)

1. Botanicheskiy institut im. V.L. Komarova Akademii nauk SSSR,
Leningrad.

(Botanical research)

SLEPYAN, E.I.

Tumorous histogenetic characteristics of the development of stem
galls on *Ephedra intermedia* Schr. ex C.A.M. caused by the gall gnat
Ephedromyia debilopalpis Mar. (Diptera, Itonididae). Bot.shur. 42
no.10:1507-1514 0 '57. (MIRA 10:10)

1. Botanicheskiy institut im. V.L.Komarova AN SSSR, Leningrad.
(*Ephedra*--Diseases and pests) (Galls (Botany))

~~SLEPYAN, Y. I.~~

Biological seminar for young scientists in Leningrad. Bot. zhur. 42
no. 10: 1572-1573 0 '57. (MIRA 10:10)

1. Botanicheskiy institut im. V. L. Komarova AN SSSR, Leningrad.
(Leningrad--Genetics--Study and teaching)

COUNTRY : USSR
 CATEGORY : General and Specialized Zoology. Insects. P

1957, No. 23, 1957, No. 105128

Author : Slepian, E. I.
 Institution : Leningrad Society for Nature Study
 Title : On Oligomerization of Malpighian Vessels in
 Gall-Flies (Diptera Itonididae).

Orig. Ref. : Tr. Leningr. o-va yestestvoispyt., 1957, 73,
 No. 4, 43-45

Summary : In gall-flies of the sub-families Lestremiinae
 and Heterocerinae, considered to be more primi-
 tive, there are 4 Malpighian vessels (MV). In
 a number of species of sub-family Itonidinae,
 the most specialized one among gall-flies, only
 2 MV were found. At the same time, they did not
 prove to be relatively longer, as had been con-
 sidered formerly. The author considers the de-
 crease in the number of MV to be an example of
 oligomerization related to the basic path of the
 evolution of gall flies from detrital-saprophag-

Page: 1/2

SLEPYAN, E.I.

Characteristics of gall formation and teratogenic processes in
the assimilating shoots of *Haloxylon aphyllum* (Minkv.) Iljin and
H. persicum Bge. Bot.zhur. 43 no.11:1595-1607 N '58.
(MIRA 11:11)

1. Botanicheskiy institut im. V.L. Komarova AN SSSR, Leningrad.
(Saksaul) (Galls (Botany)) (Abnormalities (Plants))

SLEPYAN, ~~E~~ I.

"On the Laws of the Histogenesis of Neoplasms Produced in Vegetative
Organs of Plants by Tetrapodal Phytophagic Mites."

Tenth Conference on Parasitological Problems and Diseases with Natural
Reservoirs, 22-29 October 1959, Vol. II, Publishing House of Academy of
Sciences, USSR, Moscow-Leningrad, 1959.

Botannical Institute, USSR
Academy of Sciences (Leningrad)

SLEPYAN, E.I.

Structural variations in the alimentary tract of *gall-gnat* larvae
(Diptera, Itonididae) as related to their mode of life. Zool. zhur.
39 no.9:1362-1370 S '60. (MIRA 13:9)

1. Botanical Institute of the U.S.S.R. Academy of Sciences, Leningrad.
(Gall gnats) (Digestive organs--Insects)

SLEPYAN, E.I.

Structure of galls and malformations in plants of the goosefoot
family of Central Asia. Bot.zhur. 45 no.2:181-205 F '60.
(MIRA 13:6)
(Soviet Central Asia--Goosefoot--Diseases and pests)
(Galls--Botany)
(Proliferation)

SLEPYAN, E.I., KISHKOVSKIY, A.N.

Roentgenographic method of studying the morphology of leaves
and the outlook for its use. Bot. zhur. 45 no.5:695-703 My
'60. (MIRA 13:7)

1. Botanicheskiy institut im V.L. Komarova Akademii nauk
SSSR i Voenno-meditsinskaya akademiya im. S.M. Kirova,
Leningrad. (Leaves--Radiography)

SLEPYAN, E.I.; KISHKOVSKIY, A.N.

Use of radiography in the study of flowers. Bot.zhur. 45 no.7:
1009-1010 JI '60. (MIRA 13:7)

1. Botanicheskiy institut im. V.L.Komarova Akademii nauk SSSR
i Voenno-meditsinskaya akademiya im. S.N.Kirova, Leningrad.
(Flowers--Radiography).

SLEPYAN, E.I.; KISHKOVSKIY, A.N.

Possible uses of X rays in the study of fruits. Bot. zhur. 45 no.9:
1309-1310 S '60. (MIRA 13:9)

1. Botanicheskiy institut im. V.L. Komarova Akademii nauk SSSR i
Voyenno-meditsinskaya akademiya im. S.M.Kirova, Leningrad.
(Fruit--Radiography)

SIEFYAN, E.I.

Developmental characteristics of medically used galls of pistachio trees with reference to the relationships between causative agents and host plants. Trudy Len. khim.-farm. inst. 12:85-109 '61. (MIRA 15:3)

1. Kafedra farmakognosi i botaniki Leningradskogo khimiko-farmatsevticheskogo instituta.

(GALLS (BOTANY))
(PISTACHIO-DISEASES AND PESTS)
(PLANT LICE)

SLEPYAN, E.I.

Plant tumors as possible models in theoretical and experimental oncology. Trudy Len. khim.-farm. inst. 12:345-349 '61. (MIRA 15:3)

1. Kafedra farmakognozii i botaniki Leningradskogo khimiko-farmatsevticheskogo instituta.

(TUMORS, PLANT)
(CANCER RESEARCH)

SLEPYAN, E.I.

Causative organisms and structure of galls and teratogenic
formations in ~~Calligonum~~. L. ~~Biol.-Ohev. bot. sadn. no. 40:89-~~
99 '61. (1961 14:10)

1. Botanicheskiy institut imeni V.L. Komarova AN SSSR.
(Calligonum--Diseases and pests)

SLEPYAN, E.I.

Morphology of the tracheal system of gall gnat larvae (Diptera,
Itonididae) as related to the specific features of their biology.
Ent. oboz. 40 no.1:98-106 '61. (MIRA 14:4)

(Tracheae in arthropoda) (Gall gnats)
(Larvae--Insects)

SLEPYAN, E.I.

Acquisition of the ability to induce the formation of galls and terata as a stage in the evolution of food specialization, exemplified by the gall gnats Itonididae s.l. (Diptera, Nematocera). Zool. zhur. 40 no.10:1495-1509 0 '61. (MIRA 14:9)

1. Botanical Institute of the U.S.S.R. Academy of Sciences, Leningrad.

(Gall gnats) (Evolution)

SLEPYAN, E.I.

Comparison of galls and teratomata caused by insects with
fruits and seeds. Bot. zhur. 46 no.11:1702-1717 N '61.

(MIRA 15:2)

(Galls (Botany))
(Abnormalities (Plants))

SLEPYAN, E.I.

Structural properties of galls and calluses. Dokl.AN SSSR 136
no.1:241-244 Ja '61. (MIRA 14:5)

1. Botanicheskiy institut im. V.L.Komarova AN SSSR. Predstavleno
akademikom V.N.Sukachevym.
(Galls (Botany)) (Callus (Botany))

SLEPYAN, E.I.

Types of bud terata produced by arthropods and their structural differences. Dokl. AN SSSR 137 no.1:228-231 M~~r~~-Ap '61.

(MIRA 142)

1. Botanicheskiy institut im. V.L.Komarova Akademii nauk SSSR.
Predstavleno akademikom V.N.Sukachevym.

(Abnormalities (Plants)) (Buds)

(Insects, Injurious and beneficial)

SLEPYAN, E.I.

Similarity in the phenomenon of encapsulation in intratissular parasites of plants and animals. Dokl. AN SSSR 139 no.5:1269-1272 Ag. '61. (MIRA 14:8)

1. Botanicheskiy institut im. V.L. Komarova AN SSSR.
Predstavleno akademikom V.N. Sukachevym.
(Parasites)

SLEPYAN, E.I.

Nomenclature and classification of galls and bud teratoses induced by Arthropoda as related to their position among pathological phenomena. Bot. zhur. 47 no.5:721-763 My '62. (MIRA 16:5)

1. Botanicheskiy institut imeni V.L.Komarova AN SSSR, Leningrad.
(Abnormalities (Plants)) (Galls (Botany))

SLEPYAN, E.I.

Galls, bud teratosis and their pathogens on Tamarix L. Biul.
MOIP.Otd.biol. 67 no.5:61-75 S-0 '62. (MIRA 15:10)
(SOVIET CENTRAL ASIA--TAMARISK--DISEASES AND PESTS)
(SOVIET CENTRAL ASIA--INSECTS, INJURIOUS AND BENEFICIAL)
(GALLS (BOTANY))

SLEPYAN, E.I.

Effect of *Pontania proxima* Lep (Tenthredinidae) on the growth of leaf blades of *Salix fragilis* L., their photosynthesis, chlorophyll and carotinoid content; on the pathogenicity of gallflies.
Dokl. AN SSSR 147 no.5:1234-1237 D '62. (MIRA 16:2)

1. Botanicheskiy institut im. V.L. Komarova AN SSSR. Predstavleno akademikom V.N. Sukachevym.
(Galls (Botany)) (Sawflies)

SLEPYAN, E.I.

Process of the formation of intumescences in plants as a
parallel phenomenon of productive inflammation in the
animal organism. Dokl. AN SSSR 166 no.1:242-245 Ja '66.
(MIRA 19:1)

1. Botanicheskiy institut im. V.L.Komarova AN SSSR. Submitted
April 20, 1965.

BOYARSKIY, L.; SLEPYAN, I.; ROZENBLAT, A.

Food industry enterprises for rural areas. Stroiki arkhitekt. 8
no.6:8-9 Je '60. (MIRA 13:6)

1. Direktor Ukgiproproda (for Boyarskiy). 2. Glavnyy inzhener
Ukgiproproda (for Slepian). 3. Glavnyy arkhitekt Ukgiproproda
(for Rozenblat).
(Ukraine--Food industry--Equipment and supplies)

L 13822-66 EWT(m)/EPF(n)-2/EWA(h) DM

ACC NR: AP6001801

SOURCE CODE: UR/0089/65/019/006/0540/0542

AUTHOR: Khromov, V. V.; Slesarev, I. S.

ORG: none

TITLE: The conditional separation of spatial and angular variables in the solution of the neutron transfer equation

SOURCE: Atomnaya energiya, v. 19, no. 6, 1965, 540-542

TOPIC TAGS: nuclear reactor technology, approximate solution, neutron

ABSTRACT: The conditional separation of variables was successfully used in the past for the solution of the two-dimensional spacial diffusion problem. The basic ideas of this method may also be used for the approximate solution of the neutron transfer equation. The present authors develop a new approach to a special example of solid angle distribution determination in a plane parallel layer in the single velocity approximation. The results show the critical size and neutron distribution of a unidimensional reactor. They compare favorably with the results of the known P_n and S_n methods and the results obtained by G. Metsis (Nucl. Sci. and Engng, 17, 55, 1963). The new method should be especially effective in the design of so-called small nondiffusion systems where the conventional method leads to substantial errors. The realization of the new method on electronic computers can be carried out using programs

Card 1/2

UDC: 621.039.51.12:539.125.52

L 13822-66

ACC NR: AP6001801

for reactor calculations in the diffusion approximation. Orig. art. has: 10 formulas,
1 figure, and 1 table.

SUB CODE: 18, 20 / SUBM DATE: 17Mar65 / ORIG REF: 002 / OTH REF: 001

Card 2/2

SIEPYAN, L.

Methods of analyzing bioelectrical oscillograms. Trudy Inst.fiziol.
AN Gruz.SSR. 7:217-221 '48. (MIRA 9:8)
(ELECTROPHYSIOLOGY)

SLEPYAN, L.I. (Leningrad)

Motion of a deformed body in an acoustic medium. Prikl. mat. 1
mekh. 27 no.5:918-923 S-0 '63. (MIRA 16:10)

L 2600-66 EWT(d)/EWT(m)/EWP(w)/ETC(m) WW/EM

ACCESSION NR: AP5022218

UR/0198/65/001/008/0112/0119

AUTHOR: Slepyan, L. I. (Leningrad)

TITLE: Application of Fourier series to the investigation of deformation waves

SOURCE: Prikladnaya mekhanika, v. 1, no. 8, 1965, 112-119

TOPIC TAGS: elastic deformation, wave propagation, Fourier series

ABSTRACT: Unsteady deformation processes are studied where the deforming regions expand in time. It is shown that local deformations can be described by Fourier series of the form

$$F(x, t) = \frac{1}{2l(t)} \sum_n \left(\frac{n\pi}{l(t)}, t \right) e^{-i \frac{n\pi x}{l(t)}} \delta_0(l(t) - |x|). \quad (1)$$

where $F(x, t) = 0$ at $|x| \geq l(t)$. An example is given for the equation of motion described by

$$m\ddot{u} - c^2 m u'' + ku = Q \delta_1(x) \delta_0(t) \quad (2)$$

$$\delta_1(x) = \delta'_0(x) = \frac{d\delta_0(x)}{dx}$$

Card 1/3

L 2600-56

ACCESSION NR: AP5022218

To solve the general problem of unsteady deformation, the continuity equation and equation of motion

$$\begin{aligned} \rho + \partial_j(\rho v_j) &= 0; \\ \Phi_k &\equiv (\rho v_k)' + \partial_j(\rho v_j v_k) - \partial_j \sigma_{jk} = F_k, \quad (3) \end{aligned}$$

are multiplied by $\exp(iq_j x_j)$ and integrated over the volume $|x_j| \leq L_j$. At time $t = t_*$, the local deformation is described by

$$\iiint_Q \Phi_k \frac{\partial u_k}{\partial L_m} dx_1 dx_2 dx_3 = \iiint_Q F_k \frac{\partial u_k}{\partial L_m} dx_1 dx_2 dx_3, \quad (4)$$

after making use of the above continuity equation and the equation of motion.

This last equation (4) describes L_m as a function of time and the expansion number N . As a specific example, the following concentrated load is assumed

$$P(t) = Q_0 \left(\frac{t}{t_0} \right)^k, \quad k \geq 0, \quad (5)$$

and, by using the above analysis, the longitudinal and flexural deformations are calculated. Orig. art. has: 35 equations and 4 figures.

Card 2/3

L 2600-66

ACCESSION NR: AP5022218

ASSOCIATION: none

SUBMITTED: 20Nov64

ENCL: 00

SUB CODE: ME, MA

NO REF SOV: 005

OTHER: 000

Card

3/3

ACC NR: AP7002690

SOURCE CODE: UR/0424/66/000/006/0044/0049

AUTHOR: Slepyan, L. I. (Novosibirsk)

ORG: none

TITLE: On the interaction between an infinite plate and an ideal fluid at impact

SOURCE: Inzhenernyy zhurnal. Mekhanika tverdogo tela, no. 6, 1966, 44-49

TOPIC TAGS: compression shock wave, Fourier transform, elastic fluid, ideal fluid, fluid surface, fluid flow

ABSTRACT: The dynamic deformation of a plate laying on the surface of an ideal elastic fluid and subjected to the action of a punch of finite width is considered. The calculations were performed on a computer. Specific cases of the problem were solved before, but it is noted that numerical results are rather complex to obtain and the qualitative data cited in previous references appear to be erroneous. In this approach, a series with a variable distribution interval, rather than the Fourier transform, was used; the time variable distribution interval was identified with the interval containing the excitations. It was found that the force (Q), which counteracts the motion of the punch, equals the rate of the quantity of the motion of the fluid and of the plate. Its nondimensional magnitude

$$Q_0 = \frac{Q}{mc_0 v_0} = 2b + 2 \int_{t_1}^{t_0+t_1} \left(\frac{\partial w}{\partial \tau} + \frac{\partial^2 w}{\partial \tau^2} \right) d\eta$$

Card 1/2

ACC NR: AP7002690

where m is the mass of the plate per unit area, and ρ_0, c_0 are the mass density and speed of sound in a fluid, v_0 is the speed of the stamp and

$$|n| \leq l_0 + l_1$$

is the series in a variable interval. Several additional specific examples are considered, including the effect of the compressibility of the fluid and the inertia of the membrane. The developed equations and graphs indicate that the compressibility of the fluid does not have a substantial effect upon the interaction forces, provided that the flexural waves of the deformed construction are considerably shorter than the compression waves in the fluid which they excite, and provided that the flexural waves do not affect the volume of the fluid. Orig. art. has: 5 figures, 29 formulas.

SUB CODE: 20,13 / SUBM DATE: 03May66/ ORIG REF: 002

Card 2/2

L 24690-66 EWT(c)/EWT(m)/EMP(w)/ENP(k) EM-

ACC NR: AP6015812

SOURCE CODE: UR/0040/65/029/002/0261/0281

AUTHOR: Novozhilov, V. V. (Leningrad); Slepyan, L. I. (Leningrad)

21
13

ORG: none

TITLE: Saint Venant principle in the dynamics of bars

26

SOURCE: Prikladnaya matematika i mekhanika, v. 29, no. 2, 1965, 261-281

TOPIC TAGS: metal stress, fabricated structural metal

ABSTRACT: Approximate solutions to equations describing the behavior of bars under stress are given, and some specific examples are given. This work is based on TIMOSHENKO ("Theory of Oscillations in Engineering", Gostekhizdat, 1932) and others. Orig. art. has: 6 figures and 6 formulas. [JPRS]

SUB CODE: 13 / SUBM DATE: 17Dec64 / ORIG REF: 010 / OTH REF: 010

Card 1/1 FW

SHUPYAN, I.I.

Study of the morphology and anatomy of *Securinega suffruticosa* (Pall.)
Rend. (Euphorbiaceae). Trudy Len. khim.-farm. inst. no.17:143-166 '64.
(MIRA 18:1)
L. Vsesoyuznaya farmakognosti i botaniki Leningradskogo khimiko-farmatsevticheskogo Instituta.

SLEPYAN, L.I., inzh.

Partial docking of a ship in floating docks. Sudostroenie 22 [1.6.23]
no.10:41-45 0 '57. (MIRA 11:2)
(Docks) (Ships--Maintenance and repair)

SLEPYAN, L.I. (Leningrad)

Using series determined on a variable interval in investigating nonstationary deformations. Izv. AN SSSR.Mekh.
no.4:62-69 J1-Ag '65. (MIRA 18:12)

GAMMERMAN, A.F., NITSEYAN, L.I.

Anatomic study of the cortex of Hippophae rhamnoides L. *Tr. Akad. Nauk SSSR Ser. Biol. Nauk*
delo 13 no.3:21-26 My-Je '64. (MIR 18.3)

1. Leningradskiy khimiko-farmatsevticheskiy institut.

SLEPIAN, S.G.

SLEPIAN, S.G.

Nashi resursy neischiislany, nashi rezervy neischerpaemy. [Kazan']
Voenizdat NKO SSSR, 1942. 22p. (Glavnoe politicheskoe upravlenie HKKA. V
pomoshch' Politruku) DLC: HC335.S525

SO: LC, Soviet Geography, Part I, 1951, Uncl.

SLAFIAN, S. P.

Uspekhi rumynskogo naroda v sotsialisticheskom stroitel'stve (Successes of the
Rumanian people in the Socialist Construction) Moskva, Izd-vo Znaniye, 1953.
29 p. map.

60M/6
101.1
.36

KRIVTSOV, S.; SLEPYAN, S.; SPIDCHENKO, K.; SUKHOPARA, F.

"Economic geography of the U.S.S.R." Book reviewed by C. Krivtsov and others. Izv. AN SSSR Ser. geog. no. 1: 146-149 Ja-F '56. (MLRA 9:7)
(Geography, Economic)

AUTHOR: Slepyan, S.G.

SOV/10-59-1-13/32

TITLE: Population Changes in the Rumanian People's Republic in Connection With Industrialization (Izmene-niya v naselenii Rumynskoy narodnoy respubliki v svyazi s industrializatsiyey)

PERIODICAL: Izvestiya Akademii Nauk SSSR, Seriya geograficheskaya, 1959, Nr 1, pp 98-103 (USSR)

ABSTRACT: This article presents a general picture of population changes as to numbers, social and residential shifts, enlargement of number and size of towns, based on the data obtained by the general census of the population of Rumania taken on 21 February 1956. It contains some detailed data on population changes by separate localities, towns and districts, and summary data. There are 4 tables and 2 maps.

Card 1/1

PODGORODETSKIY, I.A.; SLEPYAN, S.G.

Geography of communications is a composite part of economic geography.
Izv. AN SSSR. Ser. geog. no.4:119-127 JI-Ag '63. (MIRA 16:8)
(Communication and traffic)

SLEPYAN, T.A.; KARPACHEVA, S.M.

Physicochemical properties of nitric acid solutions of uranyl nitrate,
and determination of their composition (using data on the specific
gravity, electric conductivity, and index of refraction). Radio-
khimiia 2 no.3:369-376 '60. (MIRA 13:10)
(Uranyl nitrate)

SLEPYAN, YA.; KAPLAN, I. (Minsk)

Characteristics of the high-frequency channel of the "Minsk"
radio receiver. Radio no.3:26-28 Mr '60. (MIRA 13:6)
(Radio--Receivers and reception)

YURASOV, V.V., kandidat tekhnicheskikh nauk. PRONNIKOVA, M.I., kandidat tekhnicheskikh nauk; SERGOVANTSEV, V.T., kandidat tekhnicheskikh nauk; SLEPYAN, Ya.Yu., kandidat tekhnicheskikh nauk, dotsent (Minsk)

"Outages and protection against them in agricultural power networks."
V.IU. Gessen. Reviewed by V.V. Iurasov and others. Elektrichestvo no.10:93-95 0 '56. (MLRA 9:11)

(Electric engineering)
(Gessen, V.IU.)

С. С. СЛЕПЯН, Я. А. Ю.

AUTHOR: Sergeyev, A.S., Docent

105 58-5-26/28

TITLE: Dissertations (Dissertatsii)

PERIODICAL: Elektrichestvo, 1958, Nr 5, pp. 93-93 (USSR)

ABSTRACT: For the Degree of Candidate of Technical Sciences:
At the Yerevan Polytechnic Institute imeni Marks (Yerevanskiy politekhnicheskiy institut im. Marksa):
A.Kh.Saradzhev on January 9, 1946 "Supplies for the Requirements of Automatized Hydraulic Power Plants". Official opponents: Professor A.Ya.Ter-Khachaturov and N.V.Gabashvili, Docent, Candidate of Technical Sciences.
At the Polytechnic Institute of Belorussia imeni Stalin (Belorusskiy politekhnicheskiy institut im.Stalina):
Ya.Yu.Slepyan on March 27, 1953 "Drying of Power Transformers by the Method of Losses in the Case of Electric Networks in Rural Districts". Official opponents: L.Ye.Ebin, Professor, Doctor of Technical Sciences and A.I.Sobolev, Docent, Candidate of Technical Sciences.
V.P.Krasin on May 29, 1953 "The Automatic Re-Establishment of Connection in Electric Networks and Plants of Mineral Oil Fields

Card 1/4

Dissertations

105-58-5-26/28

by 2-6 kV voltage". Official opponents: I.I.Greben', Professor, Doctor of Technical Sciences and A.I.Rutskiy, Docent, Candidate of Technical Sciences.

At the Institute for Power Engineering AS Uzbek SSR (Institut energetiki AN Uzbekskoy SSR):

M.Ye.Syrkin-Shklovskiy on November 5, 1947 "Some Problems Connected with the Theory of Resonance in Multiphase Circuits".

Official opponents: N.N.Shchedrin, Professor, Doctor of Technical Sciences and G.R.Rakhimov, Docent, Candidate of Technical Sciences. A.A.Inogamov on December 29, 1949 "The Investigation of Asymmetric

Modes of Operation of Three-Phase Transformers". Official opponents:

N.N.Shchedrin, Professor, Doctor of Technical Sciences and M.Z.Khamudkhanov, Docent, Candidate of Technical Sciences.

I.A.Reyneke on December 29, 1949 "Investigation of the Basic Properties of Independent Invertors in Connection with the Problems of D.C.Transformation". Official opponents: V.P.Zakharov, Doctor of Technical Sciences and Rakhimov, G.R., Docent, Candidate of Technical Sciences.

Card 2/4

Dissertations

105-58-5-26/28

E.G.Faynshteyn on May 6, 1950 "Taking Account of the Influence Exercised by Rectification Load when Calculating Asymmetry Modes of Operations in Energy Systems". Official opponents: V.P. Zakharov, Professor, Doctor of Technical Sciences and G.R.Rakhimov, Docent, Candidate of Technical Sciences.
S.M.Timofeyev on February 21, 1953 "Investigation of an Electric Device for the Automation Control of Rotational Speed in Water Turbines with a Sensitive Element Operation According to The Electrodynamical Principle". Official opponents: N.N.Shchedrin, Professor, Doctor of Technical Sciences and M.Z.Khamudkhanov, Docent, Candidate of Technical Sciences.
L.M.Rotenburg on February 21, 1953 "Experimental Investigation of Steel Lines and the Analytical Calculation of Short-Circuit Currents in Complicated Networks with Steel Lines". Official opponents: N.N.Shchedrin, Professor, Doctor of Technical Sciences and G.R.Rakhimov, Docent, Candidate of Technical Sciences.

Card 3/4

Dissertations

105-58-5-26/28

N.A.Troitskiy on September 26, 1953 "The Basic Properties of an Invertor with Additional Controlling Electromotive Force and Open Transformer Triangle". Official opponents: V.P.Zakharov, Professor, Doctor of Technical Sciences, M.Z.Khamudkhanov, Docent, Candidate of Technical Sciences and I.A.Reyneke, Docent, Candidate of Technical Sciences.

AVAILABLE: Library of Congress

1. Scientific reports--USSR 2. Power plants--Equipment 3. Electrical networks--USSR 4. Electrical equipment--Properties

Card 4/4

KUTSKIY, A.I.; LEONKOV, A.M.; GEYLER, L.B.; SLEPYAN, Ya.Yu.; MOSEYEV, I.V.;
SOBOLEV, A.I.; TINYAKOV, N.A.; VOLKOV, N.P.; BOTVINNIK, Ya.Ye.;
BARABANOV, M.Ye.; BRAZGOVKA, V.A.; PEKELIS, G.B.; KUZOVNIKOVA,
Ye.A.; KUZ'MIN, Yu.P.; SHIMKO, N.I.; PALLADIY, N.L.; KHUTSKIY, G.I.

G.I. Dobkin; obituary. Izv. vys. ucheb. zav.; energ. no.4:128 Ap '58.
(Dobkin, Grigori Izrailevich, 1892-1958) (MIRA 11:6)

SLEPYAN, Ya.Yu., kand.tekhn.nauk

Basic problems in the electrification of regions and cities of
the U.S.S.R. Izv. vys. ucheb. zav.; energ. no.7:129-133 J1 '58.
(Electrification) (MIRA 11:10)

RUTSKIY, A.I., kand.tekhn.nauk, zasluzhennyy deyatel' nauki i tekhniki BSSR;
ZAGOROVSKIY, Ye.N., inzh.; SLEPYAN, YA.YU., kand.tekhn.nauk; NOVASH,
V.I., kand.tekhn.nauk; TINYAKOV, N.A., kand.tekhn.nauk; KASHTANOV, F.,
red.; STEPANOVA, N., tekhn.red.

[Electrician's handbook] Spravochnoe posobie elektromontera.
Minsk, Gos.izd-vo BSSR, Red.nauchno-tekhn.lit-ry, 1960. 360 p.
(MIRA 13:9)

(Electricity--Handbooks, manuals, etc.)

SLEPYAN, Ya.Yu., kand.tekhn.nauk, dotsent

Important problems concerning the development of municipal electric power distribution networks. Izv.vys.ucheb.zav.; energ. ⁴
no.9:111-112 S '61. (MIRA 14:10)

1. Belorusskiy politekhnicheskiy institut.
(Electric power distribution)

RUTSKIY, A.I., kand. tekhn. nauk, zasl. deyatel' nauki i tekhniki
BSSR; ZAGOROVSKIY, Ye.N., inzh.; SLEPYAN, Ya.Yu., kand.
tekhn. nauk; NOVASH, V.I., kand. ~~tekhn. nauk~~; TINYAKOV, N.A.,
kand. tekhn. nauk; POL'SKIY, S., red.; KALECHITS, G., tekhn.
red.; DOMOVSKAYA, G., tekhn. red.

[Electrician's manual] Spravochnoe posobie elektromontera.
2., perer. izd. Pod red. A.I.Rutskogo. Minsk, Gos. izd-vo
BSSR. Red. nauchno-tekhn. lit-ry, 1961. 377 p.

(MIRA 15:4)

(Electric engineering--Handbooks, manuals, etc.)

SLEPYAN, Ya.Yu., kand.tekhn.nauk, dotsent; TINYAKOV, N.A., kand.tekhn.nauk,
dotsent

"Development of Power Engineering in White Russia" by I.F.Voloshina.
Reviewed by IA.IU.Slepian and N.A.Tiniakov. Izv. vys. ucheb. zav.;
energ. 5 no.9:130-131 S '62. (MIRA 15:10)

1. Belorusskiy politekhnicheskiy institut.
(White Russia—Power engineering) (Voloshina, I.F.)

SLEPYAN, Ya.Yu., kand.tekhn.nauk, dotsent; KARPOVICH, N.V., inzh.

Sixth Scientific and Technical Conference on Municipal Electric
Power Distribution Networks. Izv. vys. ucheb. zav.; energ. 6 no.2:
107-109 F '63. (MIRA 16:3)

1. Belorusskiy politekhnicheskiy institut.
(Electric power distribution)

POSPELOV, G.Ye., doktor tekhn.nauk, prof.; RUTSKIY, A.I., prof.; SLEPYAN,
Ya.Yu., kand.tekhn.nauk, dotsent

Review of V.A.Venikov's textbook "Electromechanical transients
in electrical systems". Izv.vys.ucheb.zav.; energ. 8 no.4:105-
109 Ap '65. (MIRA 18:4)

1. Belorusskiy politekhnicheskii institut.

ATABEKOV, G.I.; BASHARIN, A.V.; BOGORODITSKIY, N.P.; BULGAKOV, K.V.;
VASIL'YEV, D.V.; YEGIAZAROV, I.V.; YERMOLIN, N.P.; KOSTENKO, M.P.;
MATKHANOV, P.N.; NOVASH, V.I.; NORNEVSKIY, B.I.; RUTSKIY, A.I.;
RYZHOV, P.I.; SOLOV'YEV, I.I.; SOLODNIKOV, G.S.; SLEPYAN, Ya.Yu.;
SMUROVA, N.V.; TINYAKOV, V.A.; FATEYEV, A.V.; FEDOSEYEV, A.M.;
SHABADASH, B.I.; SHCHEDFIN, N.N.

Viktor Ivanovich Ivanov, 1900-1964; obituary. Izv. vys. ucheb.
zav.; energ. 8 no.1:122-123 Ja '65.

(MIRA 18:2)

SLEPYAN, Ye. Ye.

"Investigation of Heat Emission in Condensation of Steam on Horizontal Smooth and Finned Tubes." Sub 21 May 51, Moscow Order of Labor Red Banner Higher Technical School imeni N. E. Bauman

Dissertations presented for science and engineering degrees in Moscow during 1951.

SO: Sum. No. 480, 9 May 55

SLEPYAN, YE. YE.

USSR/Physics - Freon Heat Release

Jul 52

"Study of Heat Release During Condensation of Freon-12
in Horizontal Smooth and Ribbed Tubes," Ye. Ye.
Slepyan

"Zhur Tekh Fiz" Vol XXII, No 7, pp 1109-1123

Outlines results of exptl study of heat release of
freon-12 during condensation in horizontal smooth
and ribbed tubes of various types and dimensions.
Results are generalized on basis of similarity
theory and are represented in a unique and criterion
form.

223T103

CA

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! Determination of coefficients of heat evolution during condensation of vapor of Freon-12 on smooth and finned tubes. E. Slepian (Bauman Tech. School, Moscow). *Khолодильная Тех.* 20, No. 1, 53-8 (1952).—Condensation of Freon-12 vapor over a wide temp. range (20-50°) has film character, and the film flow in all kinds of tubes has wave nature. Change of the flow characteristics does not alter the thermal coeff. In smooth horizontal tubes the theoretical formula suggested by Nusselt gives good results in calcn. of the thermal coeffs. Modifications of this formula are given for finned horizontal tubes. G. M. Kosolapoff

SLEPYAN, E. E.

✓ Investigation of heat transfer in condensation of a vapor on
horizontal, smooth, and finned tubes. E. E. Slepyan.
CH *Protsessy Razdelen., Kondensatsii, Soddaniya i Vapora v
Kholodil. Ustanovkakh* (Moscow, Mashgiz) 1953, 75-100;
Referat. Zhur., Khim. 1954, No. 49271.—Condensation of
Freon-12 on horizontal and on 3 types of finned tubes was
studied at 20-50°. Math. relationships are derived for the
heat transfer. M. Hosh

MELAMED, R.I.; SLEPYAN, Yu.Ya.; KISELEV, M.P.; GAYEVSKIY, Ye.V.

Indications for the use of artificial respiration apparatus.
Zdrav. Bel. 9 no.8:58-62 Ag'63 (MIRA 17:3)

1. Iz respiratornogo tsentra (nauchnyy rukovoditel' - prof.
N.S. Misyuk) 4-y klinicheskoy bol'nitsy Minska (glavnyy vrach -
Ye.M. Sel'dimirova).

SLEPYKH, A. S.

SLEPYKH, A. S. -- "The Development of the Innervation of the Uterine Tubes." Kishinev State Medical Inst. Kishinev, 1955. (Dissertation for the Degree of Candidate in Medical Sciences).

So.: Knizhnaya Letopis', No6, 1956.

SLEPYKH, A.S. (Kishinev)

Some problems in cesarean section. Zdravookhranenie 2 no.1:31-34
Ja-F '59. (MIRA 12:7)

(CESAREAN SECTION)

SLEPYKH, A.S.

Accessory mammary gland of the labium majus. Akush. i gin. 35
no.1:109-110 Ja-F '59. (MIRA 12:2)

1. Iz kafedry akusherstva i ginekologii (zav. - prof. A.S. Kochergin-
skiy) Kishinevskogo meditsinskogo instituta.

(VULVA, abnorm.

accessory mammary gland of labium majus (Rus))

(BREAST, abnorm.

same)

SLEPYKH, A.S.; BALAKHNICHEVA, T., red.; SHEKHTER, D., tekhn.red.

[Development of innervation in the tuba uterina] Razvitie
innervatsii matochnykh trub. Kishenev, Gos.izd-vo "Kartia
Moldoveniaske," 1960. 82 p. (MIRA 13:12)
(FALLOPIAN TUBES--INNERVATION)

SLEPYKH, A.S., dotsent; GORDELADZE, A.S., dotsent

Morphological and histochemical characteristics of the uterine cicatrix following cesarean section. Akush. i gin. 39 no.5:103-110 S-0 '63. (MIRA 17:8)

1. Iz kafedry akusherstva i ginekologii i kafedry patologicheskoy anatomii Altayskogo meditsinskogo instituta (nauchnyy rukovoditel' - chlen-korrespondent AMN SSSR prof. L.S. Persianinov).

SLEPYKH, A.S., doctser

Current indications for abdominal management of labor. Akush. i
gin. 40 no.5:11-17 S-O '64. (MIRA 18:5)

1. Kafedra akusherstva i ginekologii Altayskogo meditsinskogo
instituta i kafedra akusherstva i ginekologii (zav. - chlen-
korrespondent AMN SSSR prof. I.S.Persianinov) II Moskovskogo
meditsinskogo instituta imeni Pirogova.

TRETINNIK, V.Yu.; OVCHARENKO, F.D.; SLEPYSHEVA, G.K.

Stabilization of heavy clay suspensions. Ukr. khim. zhur. 31 no.8:
785-790 '65. (MIRA 18:9)

1. Institut obshchey i neorganicheskoy khimii AN UkrSSR.

38040

S/263/62/000/005/008/010

1007/1207

2/600

Authors: Slepyshev, S. I., and Yudin, M. F.

Title: THE USE OF SCINTILLATION DETECTORS (COUNTERS) IN THE DOSIMETRY OF FAST NEUTRONS

Periodical: Referativnyy zhurnal, Mashinostroyeniye, no. 5, 1962, 65, abstract 32.5.361 (*Tr. in-tov Kom-standartov, mer i izmerit, priborov pri Sov. Min-SSSR*, no. 55 (115), 1961, 74-80)

Text: In order to design a scintillation dosimeter for fast neutrons, the ВНИИМ-VNIIM (Vsesoyuznyy nauchno-issledovatel'skiy institut metrologiyi im. D. I. Mendeleyeva [All-union Research Institute of Metrology im. D. I. Mendeleyev]) investigated scintillation counters for measuring the flow of fast neutrons. Fine-grained silver-activated zinc sulfide (maximum de-excitation intensity over a wave length range from 4500 to 5200A) was used as a scintillator. By means of a solution of organic glass in dichlorpetane, the scintillation was applied to the proton radiator. Description of multilayer and spherical scintillation detectors is given. The multilayer detector consists of organic glass lamellas, 1.5 mm thick (which form the proton radiator and radiation conductor) provided with scintillating interlayers having a specific thickness of 7 mg/cm². The proton radiator of the spherical detector consists of tissue-equivalent plastic layers the internal surface of which is coated with a scintillating layer having a specific thickness of 20 mg/cm². Both types of detectors

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X

THE USE SCINTILLATION..

S/263/62/000/005/008/010

I007/I207

were fastened to a ФЭУ-19 (FEU-19) photomultiplier and assembled with a standard unit comprising an amplifier, a "Sirene"-type discriminator and a ПС-10,000 (PS-10,000) counting device. The above detector permitted the measurement of the neutron flow from a (P_0 - α -Be) source. As shown by the tests, the multilayer detector gives an accuracy of $\pm 10\%$ in the measurements of neutrons having an energy of 0.2 to 5 Mev (starting from a dose intensity of 0.1 microrontgen/sec) while the spherical detector allows the measurements of fast neutrons having a density of more than 10 neutrons/cm². sec) with an accuracy range from ± 10 to 15%. Although both devices have a satisfactory sensitivity to fast neutrons, their indications, while on the one hand depending on the direction of propagation of neutrons, depend on the neutron energy only over a narrow energy range. This constitutes the main shortcoming of both devices. There are 11 figures and 21 references.

[Abstractor's note: Complete translation.]

Card 2/2

SLES', I. S.

SLES', I. S. -- "Acclimatization and Biological Properties of the 'Kann' Antelope under the Conditions of Askaniya-Nova." Acad Sci Ukrainian SSR. Inst of Zoology. Kiev, 1955. (Dissertation for the Degree of Candidate of Biological Sciences.)

SO: Knizhnaya Letopis', No 5, Moscow, Feb 1956

26-58-5-45/57
AUTHOR: Sles', I.S., Candidate of Biological Sciences (Askaniya-Nova)
TITLE: A Fox Litter in a Well (Lisyy vyvodok v Kolodtse)
PERIODICAL: Priroda, 1958, Nr 5, p 116 (USSR)
ABSTRACT: A fox litter was caught in an earth-filled abandoned well in the Natural Preserve of Askaniya-Nova.
AVAILABLE: Library of Congress
Card 1/1 1. Foxes - USSR

SOV-26-58-11-38/49
AUTHOR: Sles', I.S., Candidate of Biological Sciences (Askaniya-Nova)
TITLE: The Joint Hibernation of Grass-Snakes and Adders (O sovmet-
noy zimovke uzhey i gadyuk)
PERIODICAL: Priroda, 1958, Nr 11, p 114 (USSR)
ABSTRACT: In the zoological and botanical parks of Askaniya-Nova the
author noticed in Mid-April of two consecutive years, that
grass snakes and steppe adders left earth cracks and other
hidden sites where they had hibernated together. He concludes
that diverse species of snakes hibernate jointly.

1. Snakes---USSR

Card 1/1

50(1)

SOV/26-59-5-12/47

AUTHOR: Sles', I.S., Candidate of Biological Sciences

TITLE: The Breeding of the Wild Horse in Captivity

PERIODICAL: Priroda, 1959, Nr 5, pp 53 - 55 (USSR)

ABSTRACT: The author describes *Equus przewalskii* as similar in appearance to *Equus hemionus*, but genetically akin to the domestic horse. The hybrids obtained from cross breeding between *Equus hemionus* and the domestic horse (at Askaniya Nova) were all sterile, while hybrids from cross breeding between Przewalski Horse and the domestic horse yielded offspring. The voice of the *Equus hemionus*-*Equus domesticus* hybrid is similar to *Equus hemionus*, while the voice of the wild horse - domestic horse hybrid is the same. The wild horse is a strong, hardy and unpretentious animal, producing similar qualities through cross breeding. Several specimens of them existed at Askaniya Nova in 1905, but the capturing of fresh specimens in the Dzhungaria Desert is very diffi-

Card 1/2

SLES', I.S., kand.biolog.nauk

Acclimatization and biological characteristics of elands in the
Askaniya-Nova Zoological Garden. Trudy "Ask.-Nov." 8:117-131
'60. (MIRA 14:4)

(Askaniya-Nova--Elands)

SALGANSKIY, Aleksey Aleksandrovich, dots., kand. biol. nauk; SLES',
Ivan Sergeyevich, kand. biol. nauk; TREUS, Vladimir
Danilovich, kand. biol. nauk; USPENSKIY, Gerasim Aleksandrovich,
kand. biol. nauk; MOKEYEV, A.Ye., otv. za vypusk; DOBRZHANSKIY,
V.N., red.; POTOTSKAYA, L.A., tekhn. red.

[Askaniya-Nova Zoological Garden; acclimatization of ungulates
and ostriches] Zoopark "Askaniia-Nova," opyt akklimatizatsii
dikikh kopytnykh i strausov. Kiev, Gossel'khodzdat USSR,
1963. 305 p. (MIRA 16:11)

1. Direktor Ukrainского nauchno-issledovatel'skogo instituta
zhivotnovodstva stepnykh rayonov im. M.F.Ivanova "Askaniya-
Nova" (for Mokeyev).

(Askaniya-Nova Preserve--Ungulata)

(Askaniya-Nova Preserve--Ostriches)

TREUS, V.D., kand.biolog.nauk (Askaniya-Nova); LOBANOV, N.V. (Askaniya-Nova);
SLES', I.S., kand.biolog.nauk (Askaniya-Nova)

Zebras in Askaniya Nova Preserve. Priroda 52 no.10:73-78 '63.
(MIRA 16:12)

MAYSKIY, Nikolay Ivanovich [Mais'kyi, M.I.], inzh.; KOSENKO, Andrey Fedotovich, inzh.; SLESAR', Aleksandr Pavlovich [Sliesar, O.P.], inzh.; KOROLENKO, I.I., red.

[Technology of metals and building materials] Tekhnologiya metaliv i konstruktsiinykh materialiv. Kyiv, Derzhsil'-hospvydav URSR, 1962. 410 p. (MIRA 18:6)

L 26025-66 EWA(d)/T/EWP(w)/EWP(t) IJP(c) JD

ACC NR: AP5025476

SOURCE CODE: CZ/0065/65/000/004/0394/0407

AUTHOR: Slesar, Milan -- Shlesar, Milan; Gero, Robert -- Gere, Robert; Kubenka, Jaroslav -- Kubenka, Jaroslav

ORG: Metallurgical Faculty, VST,
VST)

Kosice (Hutnicka fakulta

TITLE: Mechanism of low-carbon steel fracture

SOURCE: Kovove materialy, no. 4, 1965, 394-407

TOPIC TAGS: material fracture, plastic deformation, low carbon steel, crystal structure, pearlite, ferrite, ultimate strength, tensile strength, metallurgical testing machine

ABSTRACT: The fracture of cylindrical specimens was studied by direct observation of plastic deformations in a tensile-testing machine designed by the authors [Abstracter's note: description of the testing machine is not given]. The experiments were made with low-carbon steel having coarse-granular polyhedral ferrite-pearlite microstructure. Conventional stress-strain diagrams were plotted during the tests. The first microcracks were formed under the stresses in the

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ACC NR: AP5025476

region of ultimate tensile strength somewhat before or after reaching the point of ultimate strength. In 99% of the cases, the microcracks were generated in the pearlite grains either in the core with subsequent penetration to the periphery in the form of lenslike microfracture or on the edges of the grains with spreading to the center in the form of a broken line. The cracks in the pearlite grains were formed either perpendicularly to or at an angle to the lamellas, and in only one per cent of the cases were the cracks formed along the planes of the lamellas. An additional increase in tensile stress resulted in further propagation of a part of the cracks, whereas in the other part of the cracks the crack development was arrested at some definite degree of deformation. New microcracks began to form again simultaneously, mostly in the pearlite grains. The growth of the cracks was accompanied by the strong localized deformations in adjacent grains. In the last stages of fracture a narrow continuous region of an intensive plastic deformation was formed. The growth and joining of microcracks into the final surface of the fracture occurred in this region. Orig. art. has: 26 fig.

SUB CODE: 11/3/ SUBM DATE: 09Jan65/ ORIG REF: 008/ OTH REF: 007.

Card 2/2

CHEKMAREV, A.P.; VATKIN, Ya.L., dotsent; HERDYANSKIY, M.G., inzhener;
LUDENSKIY, I.M., inzhener; SLESARCHIK, S.D., inzhener.

Reducing longitudinal differences in the walls of pipes made on
automatic mills. Stal' 15 no.1:58-62 Ja '55. (MLRA 8:5)

1. Deystvitel'nyy chlen Akademii nauk USSR (for Chekmarev).
2. Dnepropetrovskiy metallurgicheskiy institut i Truboprokatnyy
zavod im. Lenina.
(Pipes, Steel) (Rolling-mill machinery)